

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A system for providing location information in relation to ~~an imaging device~~ telecommunications plant equipment, the system comprising:

a plurality of ~~imaging devices~~ telecommunications plant equipment, each ~~imaging device~~ telecommunications plant equipment being part of an access network and having:

a first location sensor configured to provide a first location associated with the telecommunications plant equipment;

~~an image sensor;~~

~~a microprocessor, wherein the microprocessor is communicably coupled to the location sensor and the image sensor;~~

a set of equipment characteristics comprising information about the telecommunications plant equipment relevant to servicing of the telecommunications plant equipment;

a first network interface in operative communication with a network engineering center via a service network; and

a first computer readable medium, the computer readable medium encoded with instructions executable by the microprocessor to [[(:)]communicate, to the network engineering center over the service network, the location and the set of equipment characteristics associated with the telecommunications plant equipment; and

a portable technician device, comprising:

a second location sensor configured to second provide a location associated with the portable technician device;

a second network interface in operative communication with the network engineering center via the service network; and

a second computer readable medium, the computer readable medium encoded with instructions executable by the microprocessor to:

receive, from the network engineering center over the service network, an indication of a servicing need for one of the telecommunications plant equipment;

receive, from the network engineering center over the service network, the first location and the set of equipment characteristics associated with the one of the telecommunications plant equipment; and

map a route to the one of the telecommunications plant equipment as a function of the second location and the first location associated with the one of the telecommunications plant equipment.

receive a location from the location sensor;

receive an image from the image sensor;

associate the location with the image in a set of image data; and
communicate the set of image data over the network; and

a central monitor remote from the image sensor, wherein the central monitor is configured to:

receive the set of image data from each of at least a portion of the plurality of imaging devices to generate monitoring data;

**display an image from the monitoring data representing the image received by the image sensor of at least one of the plurality of imaging devices; and
plot a device location on a map, the device location being derived from the monitoring data and representing the location received by the location sensor of at least one of the plurality of imaging devices.**

2. (Currently Amended) The system of claim 1, wherein the ~~location is a first location, and wherein the system~~ portable technician device further comprises:

a distance sensor;

a direction sensor; and

the second computer readable medium is further encoded with instructions executable by the microprocessor to:

receive a distance from the distance sensor;

receive a direction from the direction sensor; and

calculate a ~~second-third~~ location based at least in part on the ~~first-second~~ location, the direction, and the distance, wherein the ~~first location is the location of the image sensor, and wherein the second-third~~ location is the location of an object in the image.

3. (Currently Amended) The system of claim 2, wherein the ~~system~~ portable technician device further comprises a transmitter, and wherein the transmitter is operable to provide the location of the object in the image to a query database.

4. (Currently Amended) The system of claim 3, wherein the ~~system~~ portable technician device further comprises a receiver, and wherein the receiver is operable to receive description information from the query database.

5. (Original) The system of claim 4, wherein the object is a landmark, and wherein the information about the landmark is selected from a group consisting of: historic information, access rates, driving directions, parking information, and walking directions.

6. (Canceled)

7. (Currently Amended) The system of claim 4, wherein the **system portable technician device** further comprises a display, and wherein the display is operable to display information selected from the following: ~~the image, the descriptive information, the location of the image sensor,~~ the direction of the image sensor, the distance, and the location of the object.

8. (Currently Amended) The system of claim 2, wherein the **system portable technician device** further comprises a display, and wherein the instructions are further executable by the microprocessor to:

access a map, wherein the map includes a route from the second location ~~of the image sensor~~ to the third ~~location of the object~~; and

provide the map to the display.

9. (Original) The system of claim 8, wherein the map is a topological map.

10. (Canceled)

11. (Currently Amended) A method for obtaining location information in relation to an object image, the method comprising:

initiating a mapping function integrated into a portable device substantially upon leaving a first location, the mapping function being configured to log locations according to a location sensor;

terminating the mapping function substantially upon arrival at a second location remote from the first location;
generating a route map from the first location to the second location as a function of the locations logged according to the location sensor;
capturing an object image of telecommunications plant equipment;
receiving a third location defining a location of the telecommunications plant equipment;
receiving a set of equipment characteristics comprising information about the telecommunications plant equipment relevant to servicing of the telecommunications plant equipment; and
associating the telecommunications plant equipment with the route map, the object image, and the third location.
capturing an object image of an object using an image sensor, the object image being captured in an object image file;
capturing a location of the image sensor;
capturing a direction of the image sensor;
capturing a distance from the image sensor to the object using a distance sensor integrated with an autofocus used to adjust the image sensor to focus on the object;
calculating an object location of the object as a function of the location of the image sensor, the direction of the image sensor, and the distance from the image sensor to the object; and
storing the object location in the object image file in association with the object image.

12. (Canceled)

13. (Currently Amended) The method of claim 11, wherein the method further comprises:

providing a request for information about the ~~object~~ telecommunications plant equipment, wherein the request includes the ~~location of the object~~ set of equipment characteristics.

14. (Currently Amended) The method of claim 13, wherein the method further comprises:

receiving the information about the ~~object~~ telecommunications plant equipment.

15. – 16. (Canceled)

17. (Currently Amended) The method of claim ~~[[14]]~~ 11, wherein the method further comprises:

storing the object image; and

associating the stored object image with at least one of the route map, the set of equipment characteristics, or the third location.

~~associating the information about the object, the location of the object, and the location of the image sensor; and~~

~~storing the information about the object, the location of the object, and the location of the image sensor.~~

18. – 28. (Canceled)

29. (Currently Amended) A system for providing security telecommunications plant equipment monitoring, the system comprising:

an image capture device, wherein the image capture device includes an image sensor, a location sensor, and a transmitter;

a central monitor remote from the image capture device, and in operative communication with, a plurality of portable technician devices, wherein the central monitor is configured to receive an indication of a servicing need for one of a plurality of telecommunications plant equipment, each telecommunications plant equipment being

associated with a location and a set of equipment characteristics comprising information about the telecommunications plant equipment relevant to servicing of the telecommunications plant equipment; and

displays an image from the image sensor and a location from the location sensor; and

plots a representation of the location on a map; and

a dispatch module in operative communication with the central monitor and with a dispatcher ~~remote from the central monitor~~, and configured to:

receive an indication of an event occurrence, the event occurrence relating **to the image from the image sensor a servicing need for one of the plurality of telecommunications plant equipment; and**

upon receiving the indication, automatically communicate the location **and the set of equipment characteristics associated with the one of the telecommunications plant equipment to at least one of the portable technician devices to the dispatcher** for use in dispatching a response to the event occurrence.

30. (Canceled)

31. (New) The system of claim 1, wherein the telecommunications plant equipment comprises inside plant equipment or outside plant equipment.

32. (New) The system of claim 1, wherein the set of equipment characteristics is selected from a group consisting of:

detailed building information of a building in proximity to the telecommunications plant equipment;

detailed cabinet configuration of a cabinet associated with the telecommunications plant equipment;

card information relating to cards associated with the telecommunications plant equipment; and

customer information relating to a customer associated with the telecommunications plant equipment.

33. (New) The method of claim 17, wherein the method further comprises:
communicating the object image with a network engineering center over a
network.